

# 2010 Fact Sheets for 303(d) Waters

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<b>RIVER BASIN:</b>	Rappahannock River Basin	<b>HYDROLOGIC UNIT:</b>	02080104
<b>STREAM NAME:</b>	Rappahannock River		
<b>TMDL ID:</b>	RPPMH-DO-BAY	<b>2010 IMPAIRED AREA ID:</b>	CB-RPPMH
<b>ASSESSMENT CATEGORY:</b>	5A	<b>TMDL DUE DATE:</b>	2010
<b>IMPAIRED SIZE:</b>	123.53 - Sq. Mi.	<b>Watershed:</b>	VAP-E22E
<b>INITIAL LISTING:</b>	1998		
<b>UPSTREAM LIMIT:</b>	Mesohaline boundary		
<b>DOWNSTREAM LIMIT:</b>	Mouth at Chesapeake Bay		

The mesohaline Rappahannock River and tidal tributaries.

## CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Open Water Subuse - Not Supporting, Deep Water Subuse - Not Supporting, Deep Channel Use - Fully Supporting

**IMPAIRMENT:** Dissolved Oxygen

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen exceedances were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock fails the Open Water Subuse's summer 30-day dissolved oxygen criteria and applicable areas fail the Deep Water 30-day dissolved oxygen criteria. During the 2008 cycle, the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria was violated, however the segment met the use during the 2010 cycle and will be delisted. The Open Water Subuse's 30-day rest-of-year standard was met and there was insufficient data to assess the other dissolved oxygen criteria.

**IMPAIRMENT SOURCE:** Point Source, Nonpoint Source

Tributary strategy has been developed.

**RECOMMENDATION:** Problem Characterization

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<b>RIVER BASIN:</b>	Rappahannock River Basin	<b>HYDROLOGIC UNIT:</b>	02080104
<b>STREAM NAME:</b>	Broad Creek		
<b>TMDL ID:</b>	E26E-20-BAC	<b>2010 IMPAIRED AREA ID:</b>	CB-RPPMH
<b>ASSESSMENT CATEGORY:</b>	5A	<b>TMDL DUE DATE:</b>	2018
<b>IMPAIRED SIZE:</b>	0.161 - Sq. Mi.	<b>Watershed:</b>	VAP-E26E
<b>INITIAL LISTING:</b>	2006		
<b>UPSTREAM LIMIT:</b>	Tidal limit		
<b>DOWNSTREAM LIMIT:</b>	Mouth at Rappahannock		

The tidal Broad Creek embayment.

## CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

**IMPAIRMENT:** Enterococci

Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable fecal coliform exceedance rates in both the 2002 and 2004 cycles, so it was dropped in 2004.

In the 2006 cycle, the fecal coliform exceedance rate remained acceptable (0/23), however the enterococci exceedance rate failed, therefore the segment was considered impaired of the Recreation Use. The impairment continues in the 2010 cycle due to an Enterococci exceedance rate of 3/27. The TMDL is due in 2018.

**IMPAIRMENT SOURCE:** Nonpoint Sources

The source is considered unknown.

**RECOMMENDATION:** Problem Characterization